

## PERSONAL INFORMATION

First name / Last name **JAIME JIMÉNEZ**

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Date of birth April 28, 1983

## WORK EXPERIENCE

Date **April 2016 - ONGOING**

Occupation or position held **Co-Chair of the Constrained RESTful Environments (CoRE) Working Group**

Main activities and responsibilities The IETF is a large open international community concerned with the evolution of the Internet architecture and the smooth operation of the Internet. The CoRE WG focuses in particular on the Constrained Application Protocol (CoAP), a specialised web transfer protocol for constrained devices, and other technologies for the Internet of Things.

Employer Internet Engineering Task Force (IETF), <https://datatracker.ietf.org/wg/core/charter/>

Type of business or sector Internet of Things Standardization

Date **March 2014 - ONGOING**

Occupation or position held **IPSO Smart Objects Chair**

Main activities and responsibilities Data semantics are the key for building M2M or IoT systems, and are key in the interoperability of devices and services. The main task on chairing the committee is to drive completion of current work items in order to define and publish SmartObjects technical guidelines compatible with both CoAP and LWM2M. More information on the topic at Ericsson Research Blog: [www.ericsson.com/research-blog/internet-of-things/making-things-interoperate](http://www.ericsson.com/research-blog/internet-of-things/making-things-interoperate)

Employer IPSO Alliance, [www.ipso-alliance.org](http://www.ipso-alliance.org)

Date **December 2008 - ONGOING**

Occupation or position held **Senior Researcher – Services, Media and Networks**

Main activities and responsibilities

- Research on Internet of Things (IoT). Leading Ericsson Research from the IoT Device Management perspective. Standardizing our solutions in the Capillary Networks area and contributing to Ericsson's patent portfolio.
- During my time as researcher in Ericsson I have authored more than [15 patents](#). The areas of the inventions are **Internet of Things** and **Distributed Systems**.
- First prize at the ICT Showroom competition. Tutoring selected Åbo Akademi Aalto on students on two different winning IoT projects.
- Worked as coordinator on several external European and Finnish projects in several roles: FP7 COMMUNE
- Worked as architect on internal IoT project developing a solution for Low Energy IoT Device Management.
- Evolved Capillary Networks prototype demo in the MWC15.
- Managed an industrial designer for a prototyping project. This involved ideation, funding and creation of a 3D printed sensor hardware components.
- Worked in device design and prototype manufacture for a Distributed Sensor and Actuator Network.
- Implementation and research in the Internet of Things (IoT), OMA Lightweight M2M (LWM2M), Constrained Application Protocol (CoAP), ZigBee, Wireless Sensor Networks and embedded devices area.
- Implementing a prototype for the decentralization of Session Initiation Protocol (SIP) telecommunications.
- Supervised 5 Master's Theses students.

Employer Ericsson Finland, NomadicLab, [www.ericsson.com](http://www.ericsson.com)

Dates	<b>June 2007 – June 2008</b>
Occupation or position held	<b>Software Engineer</b>
Main activities and responsibilities	Researching security in online banking transactions, Smartcard research, setting Unix and Windows environments, Network Set Up and Administration, management of Virtual Machines as well as translation of technical papers.
Employer	University Carlos III and Department of IT Security Evaluation, <a href="http://www.evalues.es">www.evalues.es</a>
Type of business or sector	Education
Dates	<b>October 2006 – May 2007</b>
Occupation or position held	<b>Trainee</b>
Main activities and responsibilities	Software installation, maintenance and technical support for Windows workstations.
Employer	Viajes IberoService, <a href="http://www.iberoservice.com">www.iberoservice.com</a>
Type of business or sector	Tourism

## EDUCATION

Dates	<b>2009 - 2011</b>
Title of qualification awarded	<b>Master's program "Communications Systems, Security and Mobile Computing"</b>
Principal subjects/occupational skills to be covered	Advanced Internetworking, Internet Security and Privacy, ICT Entrepreneurship and Venture Creation, Network Services, Advanced Routing in Packet Networks, Management of Networks and Networked Systems, Security in Mobile and Wireless Networks.
Scholarships	NordPlus Scholarship (2010-2011) granted for excellent EU/EEA citizens, funded by the Nordic Council of Ministers.
Name and type of organisation providing education and training	KTH Royal Institute of Technology, School of Information and Communication Technology, Stockholm, Sweden, <a href="http://www.kth.se">www.kth.se</a> Aalto University (TKK), School of Science and Technology, Helsinki, Finland, <a href="http://www.aalto.fi">www.aalto.fi</a>
Dates	<b>2003 – 2007</b>
Title of qualification awarded	<b>Graduate Computer Engineer, Major: Programming</b>
Principal subjects/occupational skills to be covered	Programming, Intra/Inter-domain Routing, Databases, Software Development, Computer Architecture and Organization.
Name and type of organisation providing education and training	"Carlos III" University, School of Computing, Madrid, Spain, <a href="http://www.uc3m.es">www.uc3m.es</a>

## PERSONAL SKILLS AND COMPETENCES

LANGUAGES	Spanish, English, German, Italian
<b>Spanish</b>	Mother tongue
<b>English</b>	Fluent CPE (C2.2)
<b>German</b>	Advanced (C1)
<b>Italian</b>	Advanced (C1.2)

COMPUTER / TECHNICAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> <li>• Programming: Javascript, Java, C, Python and Shell Scripting.</li> <li>• Research: LaTeX, XML, IETF tools, Gantt management graphs.</li> <li>• Emulation/Simulation: Among others OverSim, OMNet, GNS3 and VBox.</li> <li>• General: Comfortable in most common UNIX-based systems (MacOSX, Linux, FreeBSD) as well as Windows.</li> </ul>
SOCIAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> <li>• <b>Teamwork:</b> worked in various types of teams: self-managed teams (during the studies and first year at Ericsson), project teams, sports teams (Junior Handball and Football School League in Spain, Finnish Football Company League in Ericsson Team) as well as later on in various standardization bodies (IETF, OMA, IPSO).</li> </ul>
OTHER SKILLS AND COMPETENCES	Co-ideating and planning projects, managing and supervising projects, coordinating among different partners and institutions, budget projecting, assuring material/ technical / human resources.
<b>INTERESTS</b>	Research & Entrepreneurship, Future Technologies & Innovative use of technology, Vintage patents, Photography, Football, Travel, Cuisine, and Languages.